

Title (en)

DEVICE FOR TRANSPORTING ENERGY BY PARTIAL INFLUENCE THROUGH A DIELECTRIC MEDIUM

Title (de)

EINRICHTUNG ZUM TRANSPORTIEREN VON ENERGIE DURCH PARTIALINFLUENZ DURCH EIN DIELEKTRISCHES MEDIUM

Title (fr)

DISPOSITIF DE TRANSPORT DE L ENERGIE PAR INFLUENCE PARTIELLE A TRAVERS UN MILIEU DIELECTRIQUE

Publication

**EP 1997238 B1 20110824 (FR)**

Application

**EP 06726113 A 20060321**

Priority

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Abstract (en)

[origin: WO2007107642A1] The invention proposes a means for transporting electrical energy and/or information from a distance by using, at a slowly varying regime, the coulomb field which surrounds any set of charged conductors. The device according to the invention is composed of energy production and consumption devices situated a short distance apart, it uses neither the propagation of electromagnetic waves nor induction and cannot be reduced to a simple arrangement of electrical capacitors. The device is modelled in the form of an interaction between oscillating asymmetric electric dipoles, consisting of a high-frequency high-voltage generator (1) or of a high-frequency high-voltage load (5) placed between two electrodes. The dipoles exert a mutual influence on one another. The devices according to the invention are suitable for powering industrial and domestic electrical apparatus, they are especially suitable for powering low-power devices moving in a limit environment and for short-distance non-radiating transmission of information.

IPC 8 full level

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